

Raw Sequence Listing Error Summary

| <u>ERROR DETECTED</u>                                                                                       | <u>SUGGESTED CORRECTION</u>                                                                                                                                                                                                                                                                                                                                                                                                     | <u>SERIAL NUMBER:</u> <u>09/276,455A</u> |
|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| <b>ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                          |
| 1 <input type="checkbox"/> Wrapped Nucleic<br>Wrapped Aminos                                                | The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."                                                                                                                                                                                                  |                                          |
| 2 <input type="checkbox"/> Invalid Line Length                                                              | The rules require that a line not exceed 72 characters in length. This includes white spaces.                                                                                                                                                                                                                                                                                                                                   |                                          |
| 3 <input type="checkbox"/> Misaligned Amino<br>Numbering                                                    | The numbering under each 5 <sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.                                                                                                                                                                                                                                                                                         |                                          |
| 4 <input type="checkbox"/> Non-ASCII                                                                        | The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.                                                                                                                                                                                                                                                                        |                                          |
| 5 <input checked="" type="checkbox"/> Variable Length                                                       | Sequence(s) <u>15/17-18</u> contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.                                                                                                                          |                                          |
| 6 <input type="checkbox"/> PatentIn 2.0<br>"bug"                                                            | A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) <u>      </u> . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences. |                                          |
| 7 <input type="checkbox"/> Skipped Sequences<br>(OLD RULES)                                                 | Sequence(s) <u>      </u> missing. If intentional, please insert the following lines for each skipped sequence:<br>(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)<br>(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)<br>(ii) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)<br>This sequence is intentionally skipped                         |                                          |
|                                                                                                             | Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.                                                                                                                                                                                                                                                                                                                                   |                                          |
| 8 <input type="checkbox"/> Skipped Sequences<br>(NEW RULES)                                                 | Sequence(s) <u>      </u> missing. If intentional, please insert the following lines for each skipped sequence.<br><210> sequence id number<br><400> sequence id number<br>000                                                                                                                                                                                                                                                  |                                          |
| 9 <input type="checkbox"/> Use of n's or Xaa's<br>(NEW RULES)                                               | Use of n's and/or Xaa's have been detected in the Sequence Listing.<br>Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.<br>In <220> to <223> section, please explain location of n or Xaa; and which residue n or Xaa represents.                                                                                                                                                      |                                          |
| 10 <input type="checkbox"/> Invalid <213><br>Response                                                       | Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence                                                                                                                                                                                                     |                                          |
| 11 <input type="checkbox"/> Use of <220>                                                                    | Sequence(s) <u>      </u> missing the <220> "Feature" and associated numeric identifiers and responses.<br>Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.<br>(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)                                   |                                          |
| 12 <input type="checkbox"/> PatentIn 2.0<br>"bug"                                                           | Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.                                                                                                                             |                                          |
| 13 <input type="checkbox"/> Misuse of n                                                                     | n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.                                                                                                                                                                                                                                                                             |                                          |

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